

FIG. 3

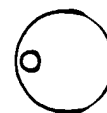


FIG. 3a

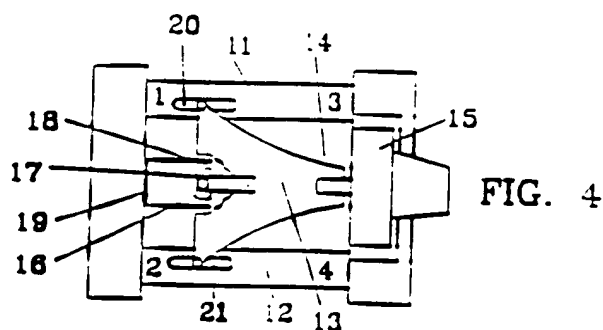


FIG. 4

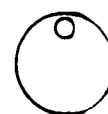


FIG. 4a

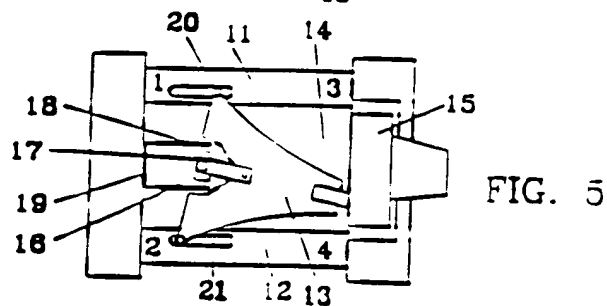


FIG. 5

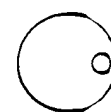


FIG. 5a

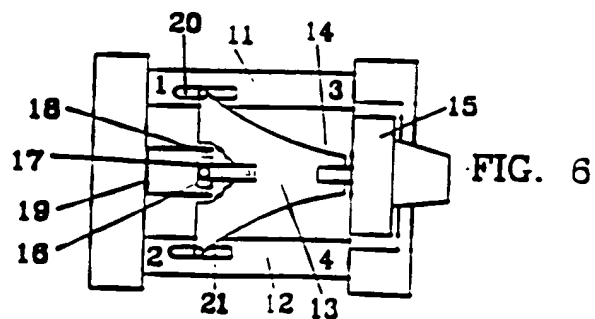


FIG. 6

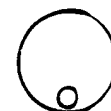


FIG. 6a

This diagram shows a complex mechanical assembly, likely a pump or motor, in a cross-sectional view. The central component is a rotor (31) mounted on a shaft (32). The rotor has several vanes or blades (33, 33a) that interact with a stator or housing (34). Gears (38, 40) are visible, suggesting a timing mechanism. Various seals and O-rings (e.g., 42, 43, 47) are used to prevent leakage. The entire unit is housed within a casing (50a, 50b) which includes a drive input (53) and a fluid outlet/inlet (56). Numerous other parts like fasteners (49), bearings (54a, 54b), and structural supports (55, 55a) are also shown.

FIG. 7

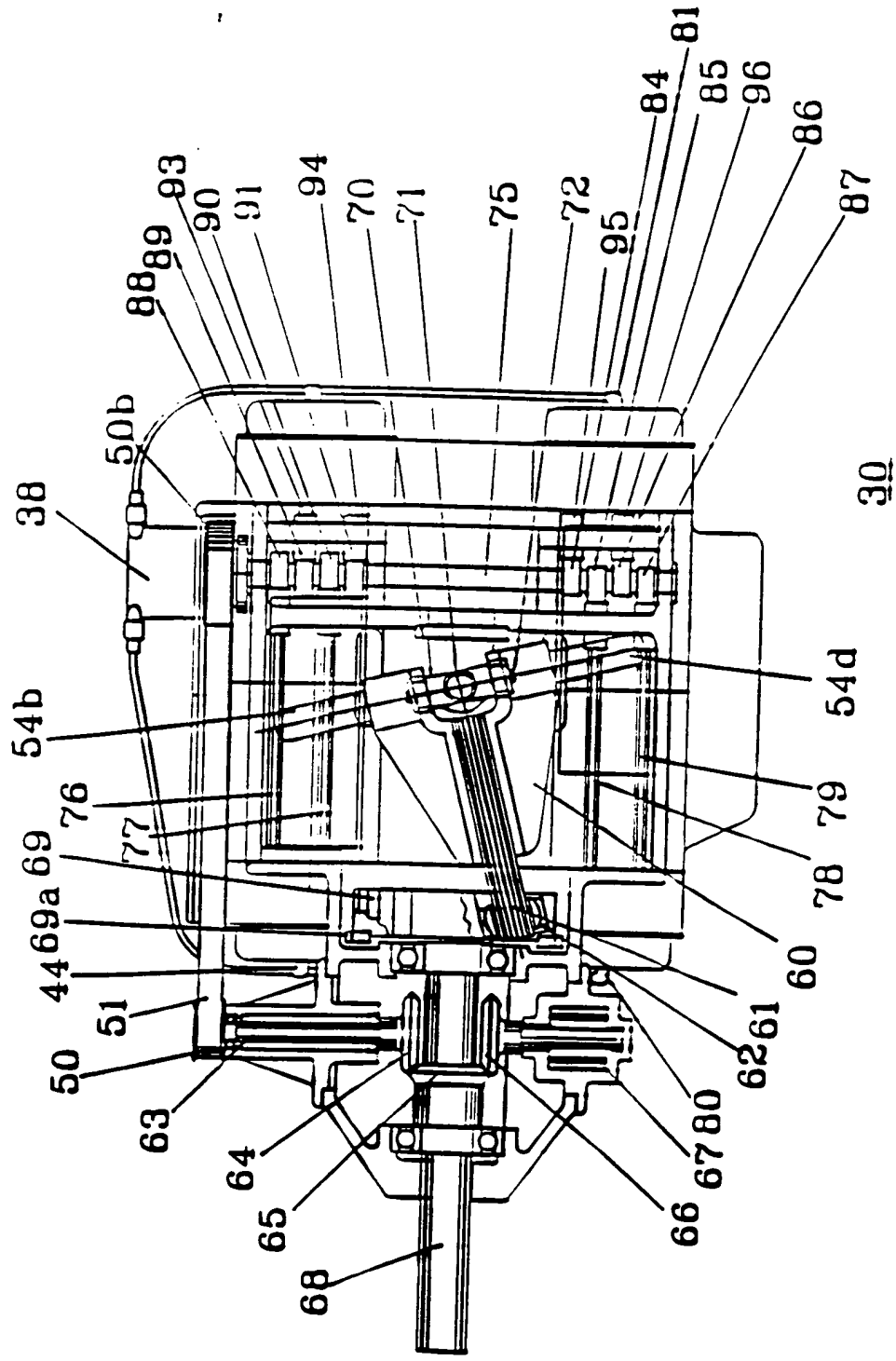


FIG. 8

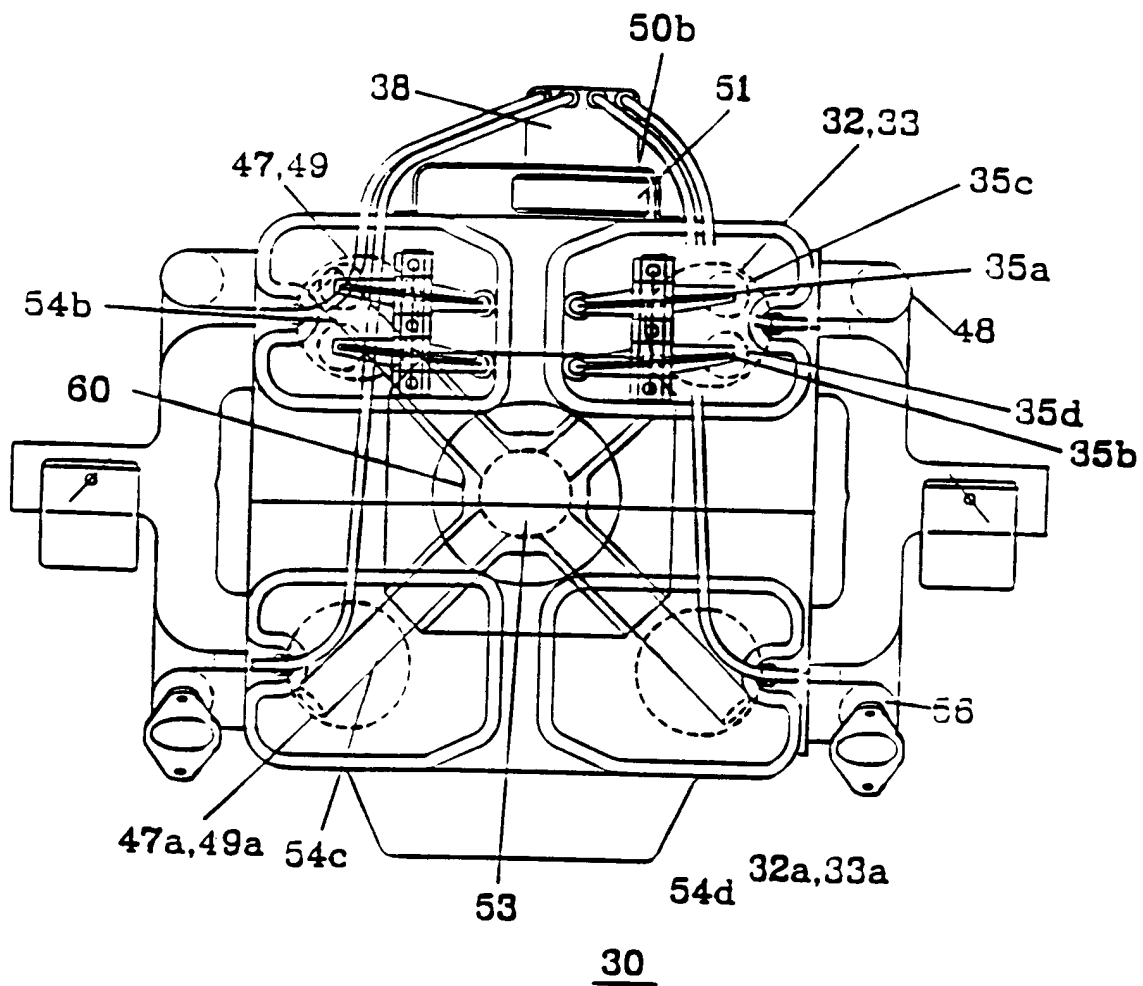


FIG. 9

0303047-6673660

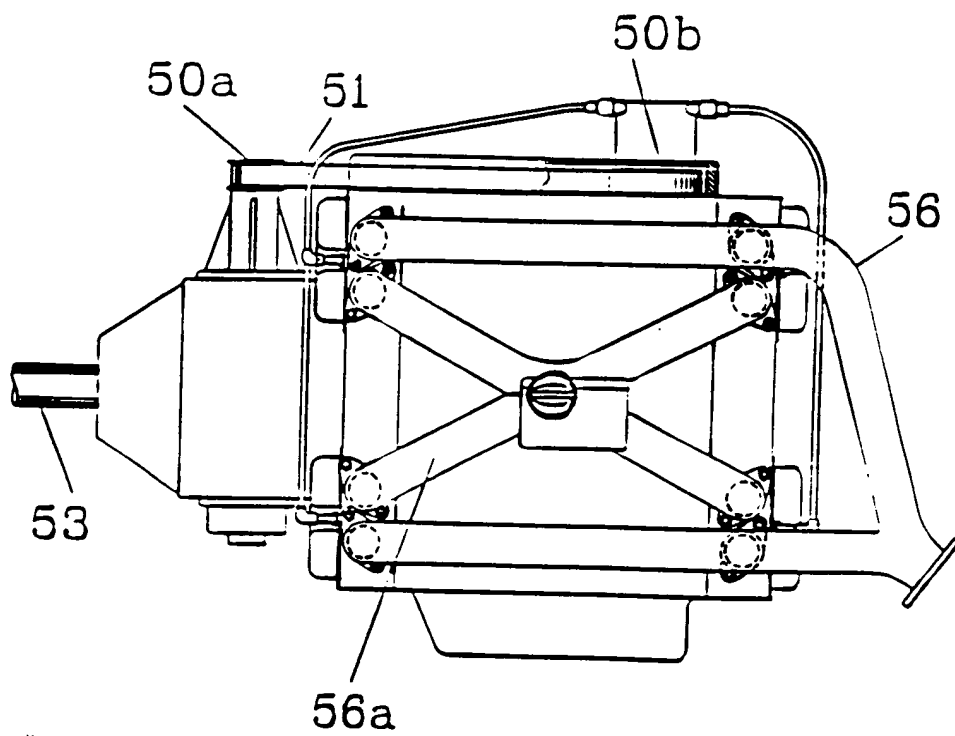


FIG. 10

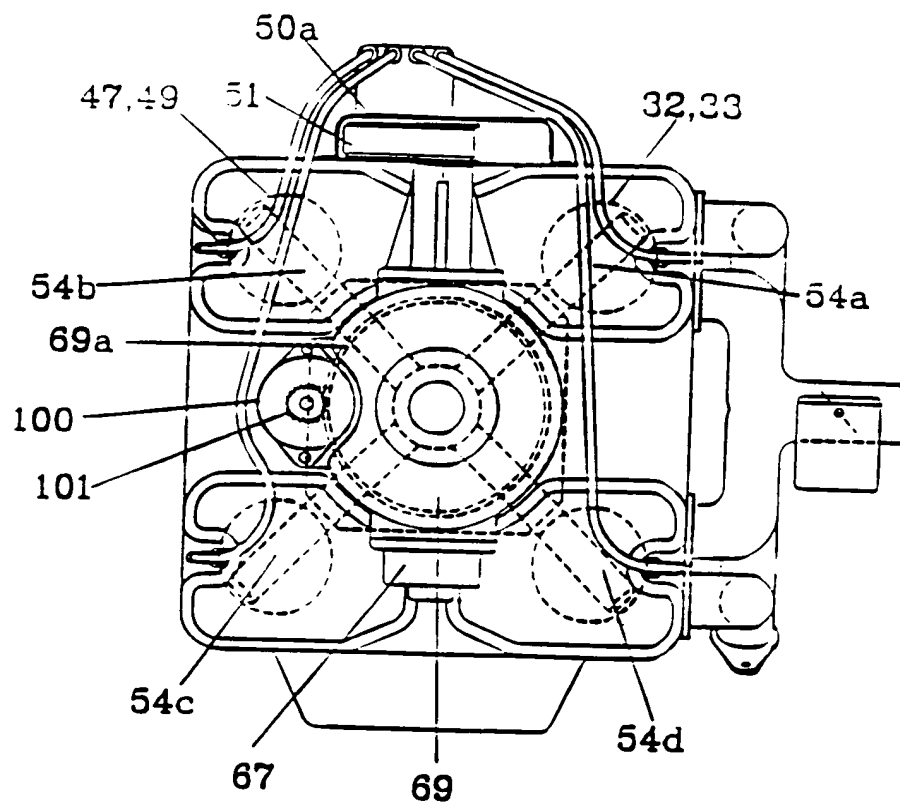


FIG. 11

Technical drawing of a mechanical assembly in cross-section. The drawing shows a central shaft (53) passing through a housing (104, 105, 106). The shaft is connected to a lever arm (61) which is pivoted on a support (60). A spring (69) is attached to the lever arm. A component (80) is also shown. The drawing is labeled with various numbers: 53, 60, 61, 69, 80, 104, 105, 106.

FIG. 12

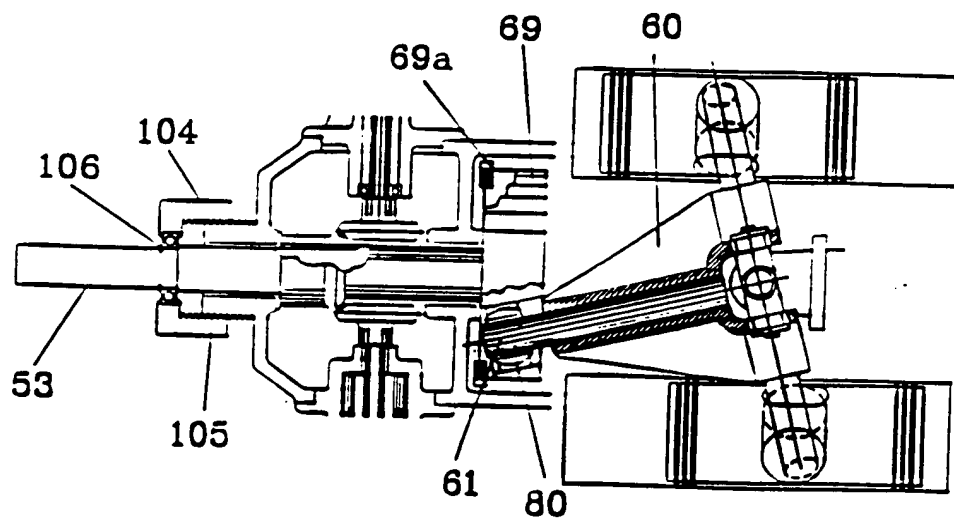


FIG. 13

3

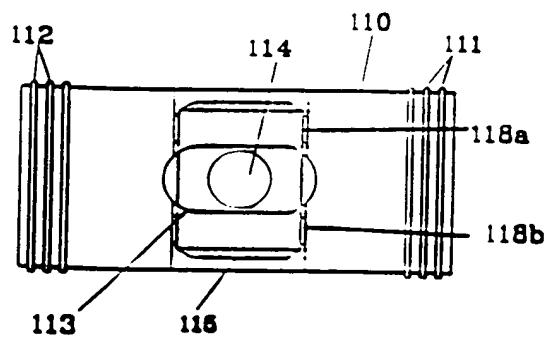
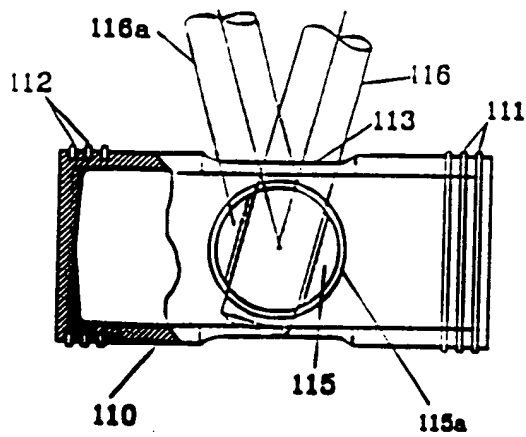


FIG. 14



- FIG. 15

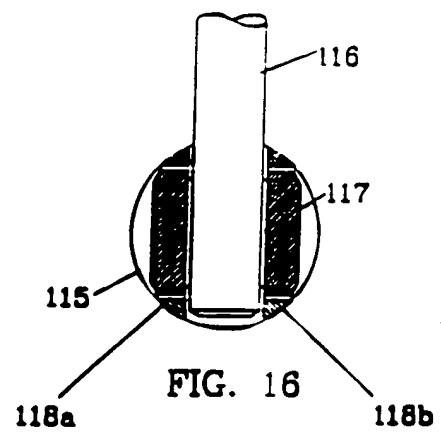


FIG. 16

FIG. 17

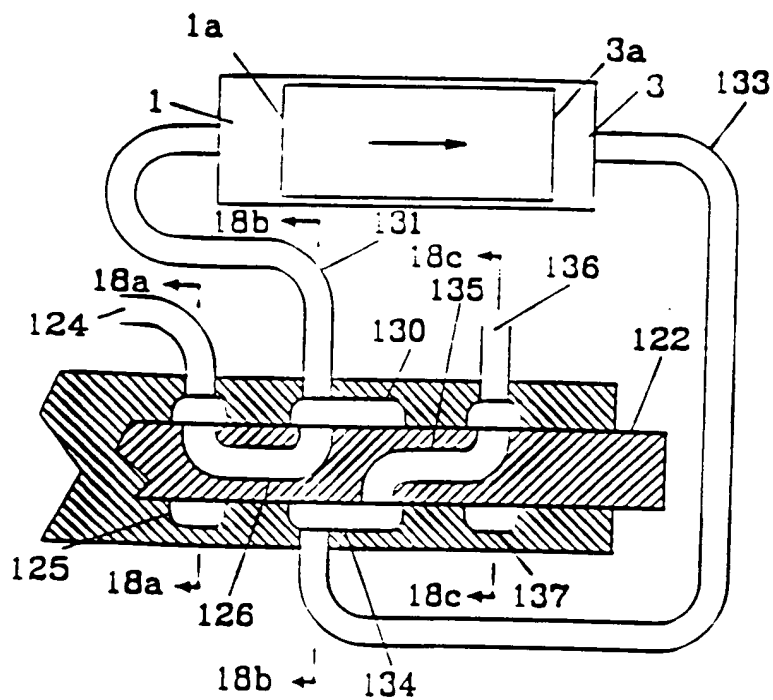


FIG. 18

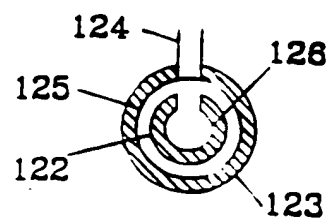


FIG. 18a

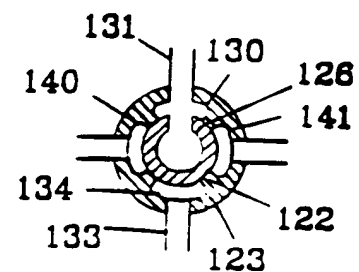


FIG. 18b

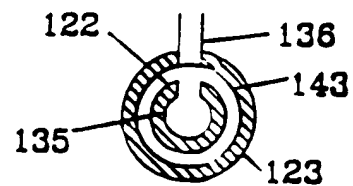


FIG. 18c

FIG. 10 is a cross-sectional view of a second embodiment of the device. It shows a central shaft 122 with a collar 136. A sleeve 123 is positioned around the shaft, with a locking mechanism 135 and a spring 143.

FIG. 19c

FIG. 20

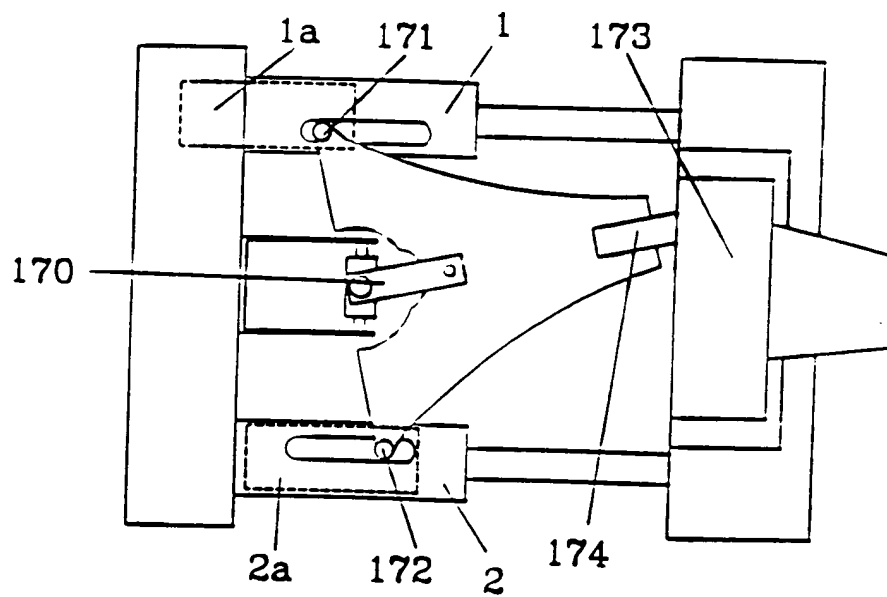
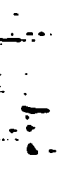
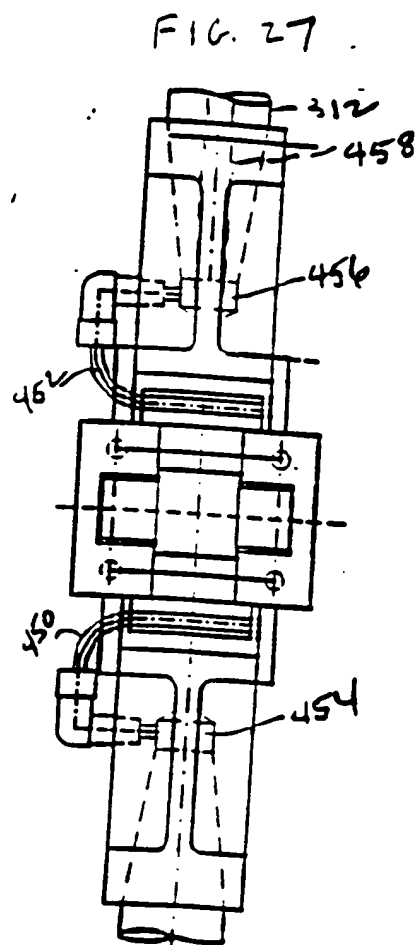
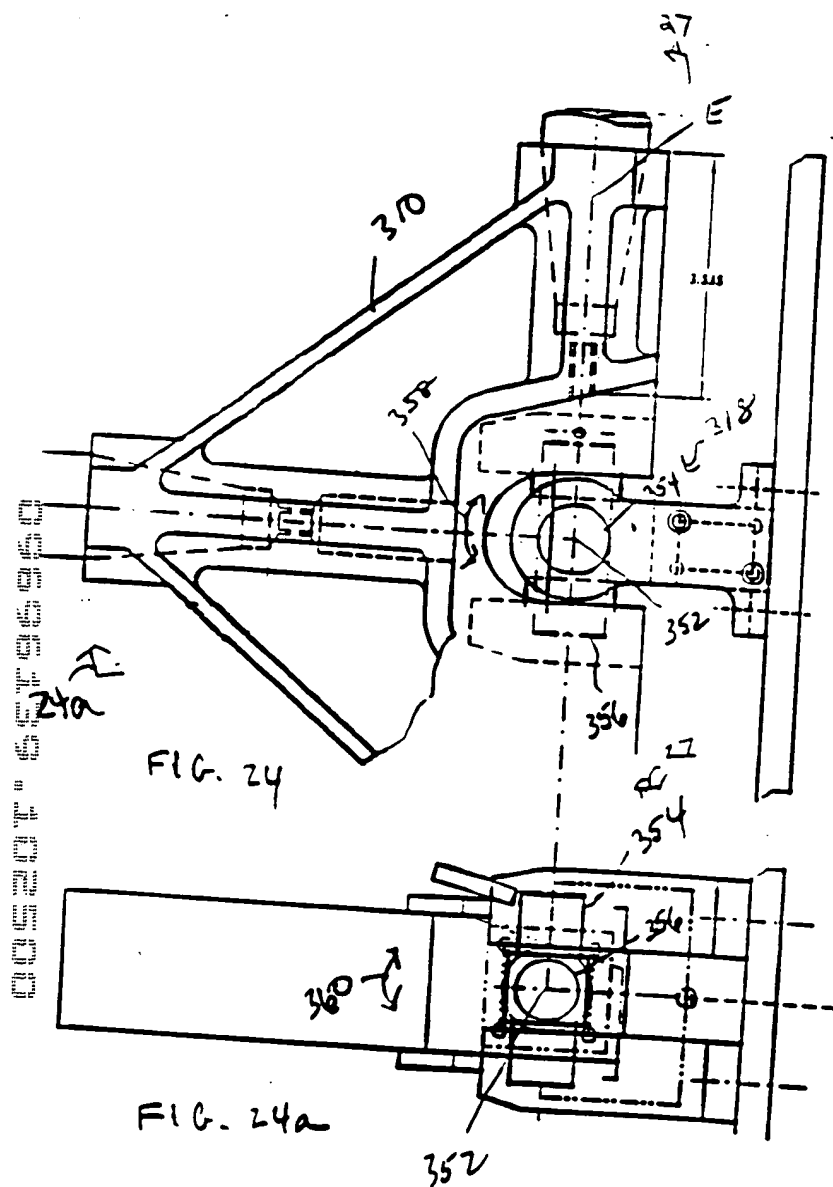


FIG. 21



1





3

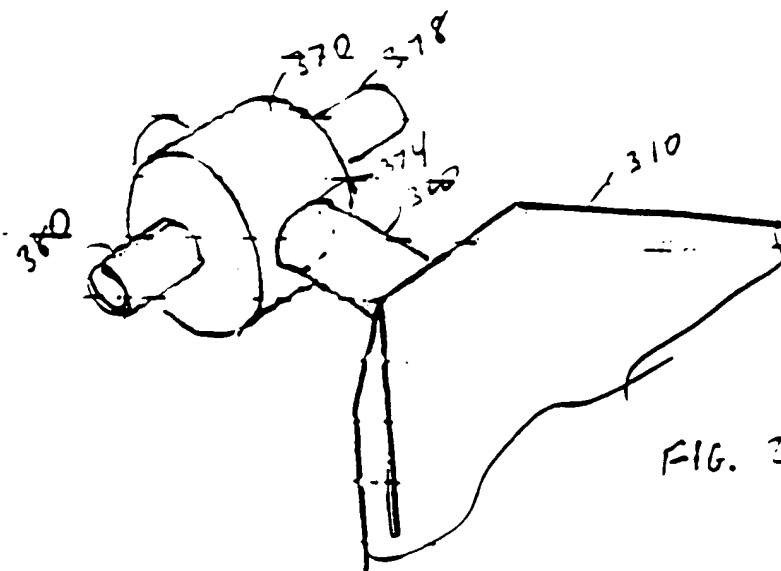


FIG. 25

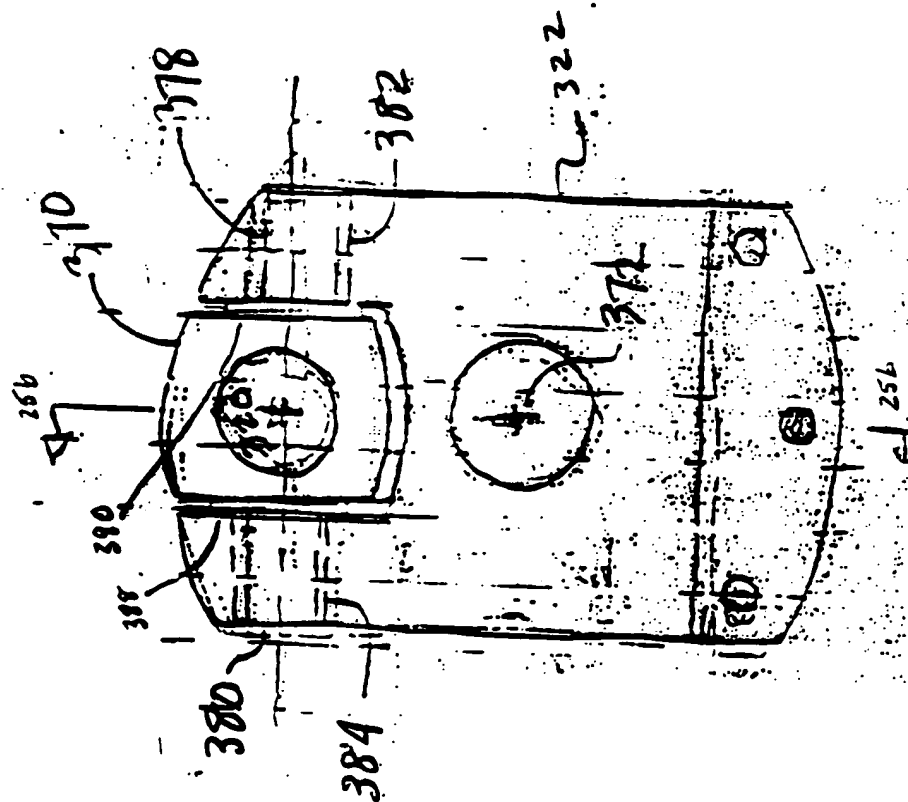


FIG. 25 A

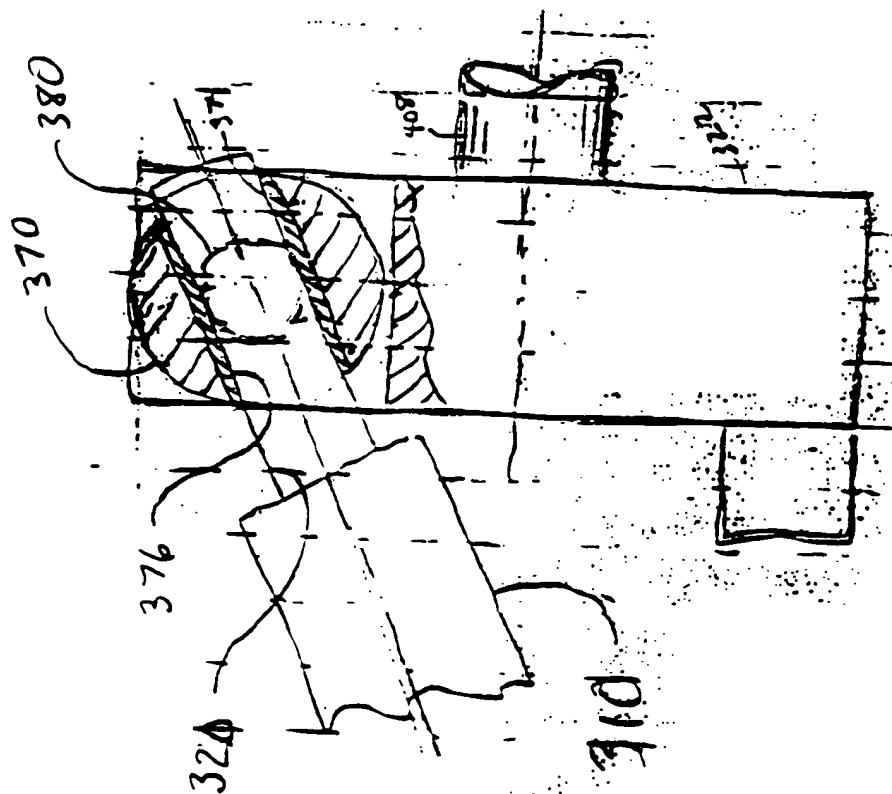


FIG. 25 B

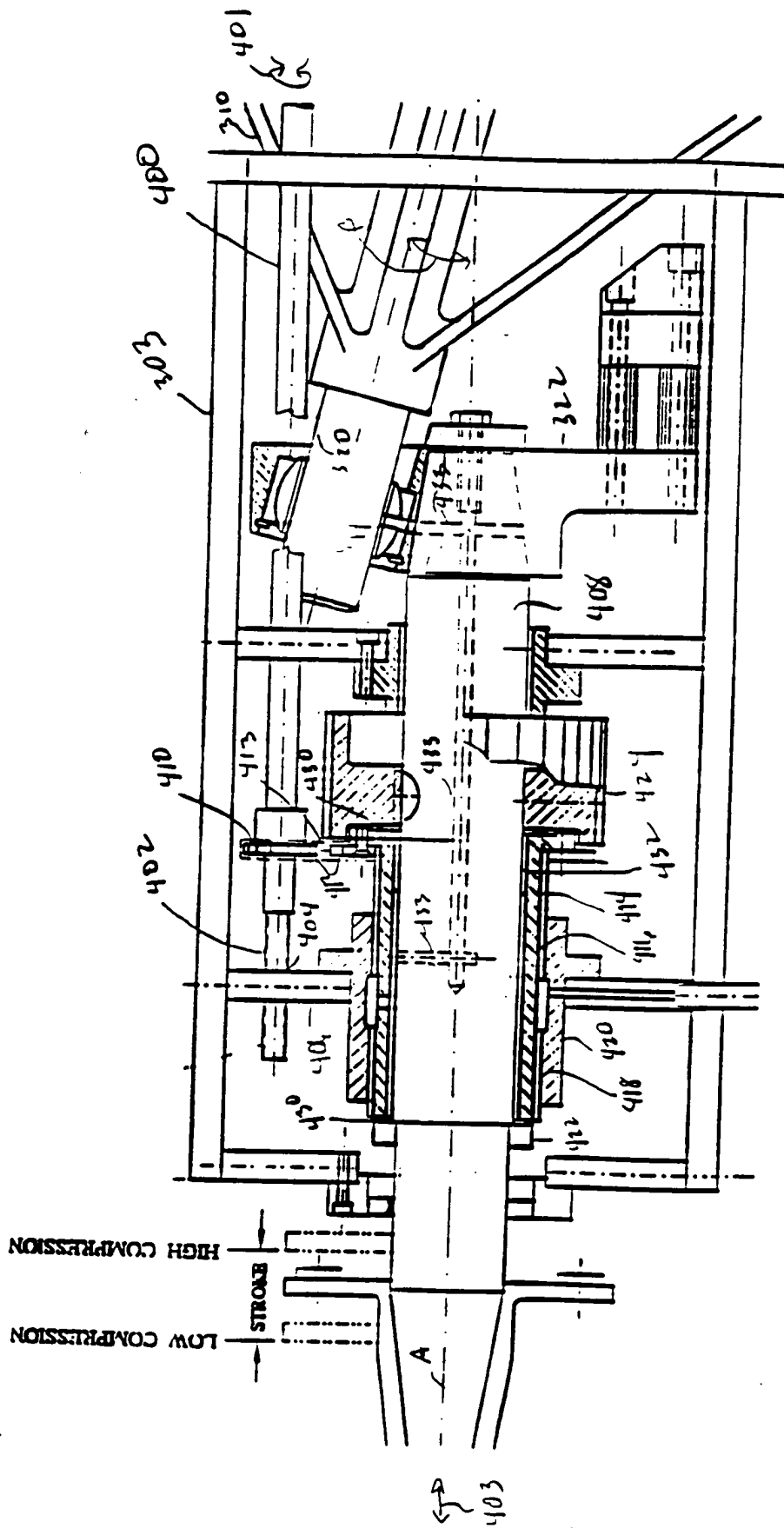


FIG. 26

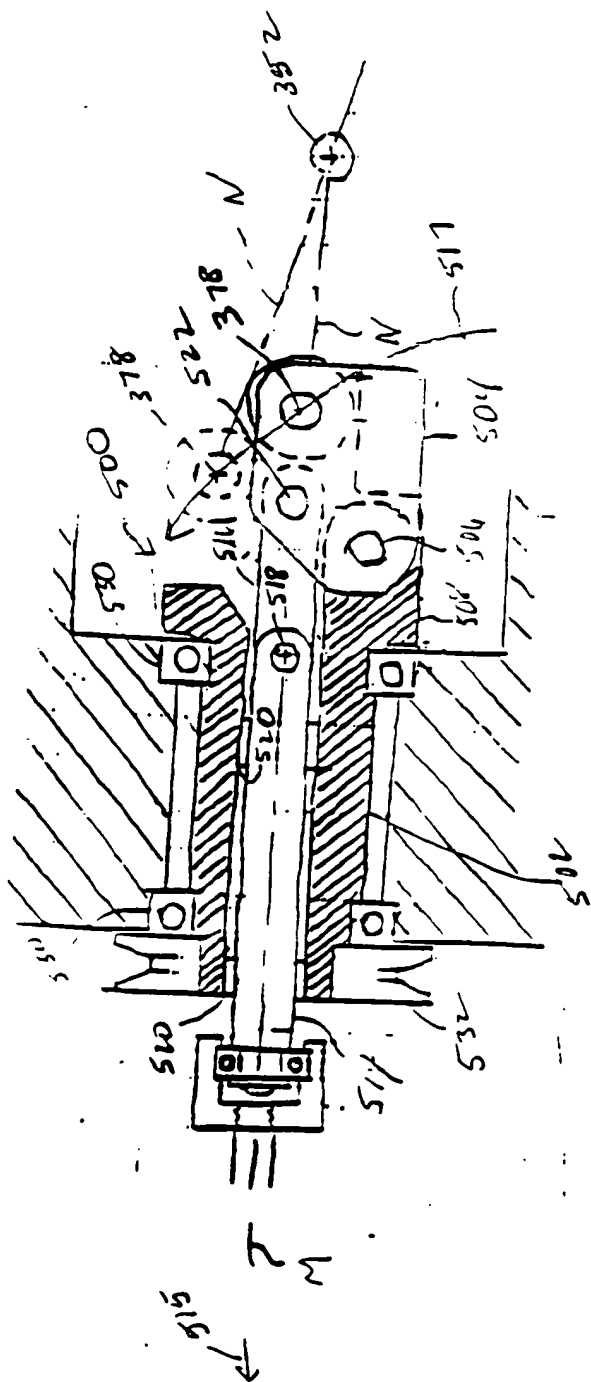
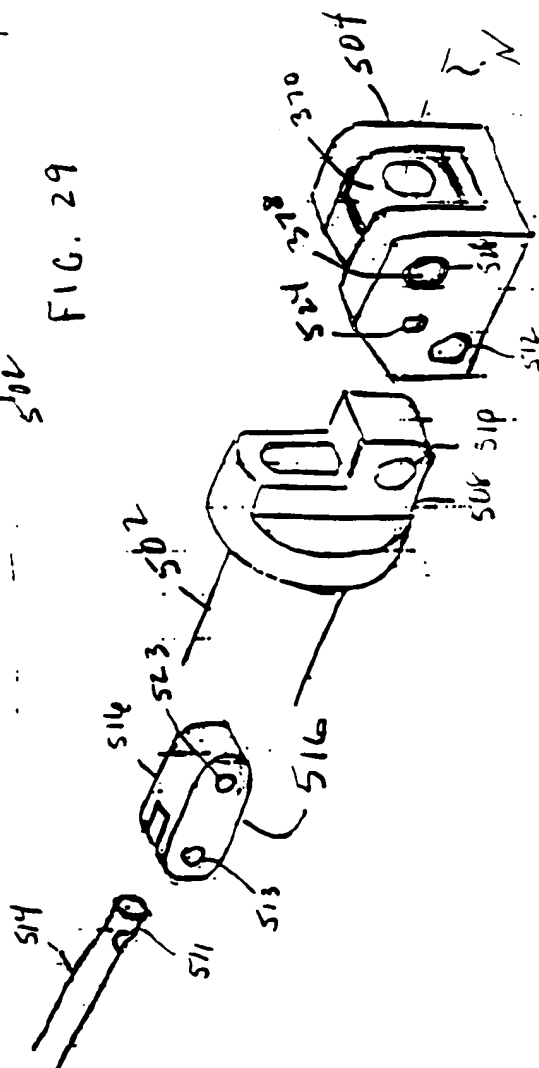


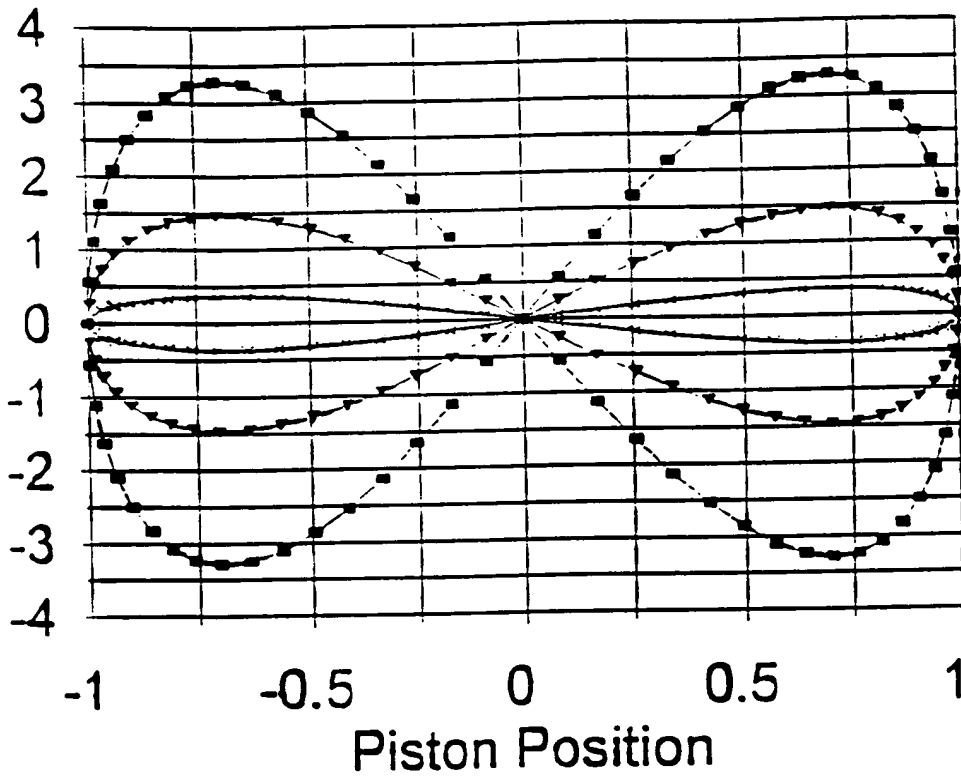
FIG. 29



16.29a

Piston Arm Deviation, Deg, Worst Arm

Figure Eight Motion of Piston Arms
Cross U-Joint, Worst-case Deviation



Mast
Angle

6.5

13.0

19.5

FIG. 30

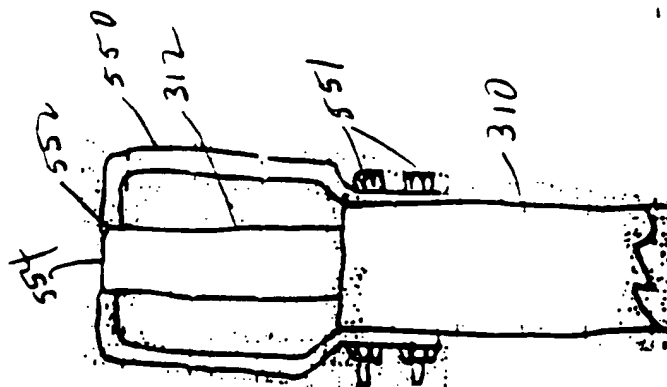
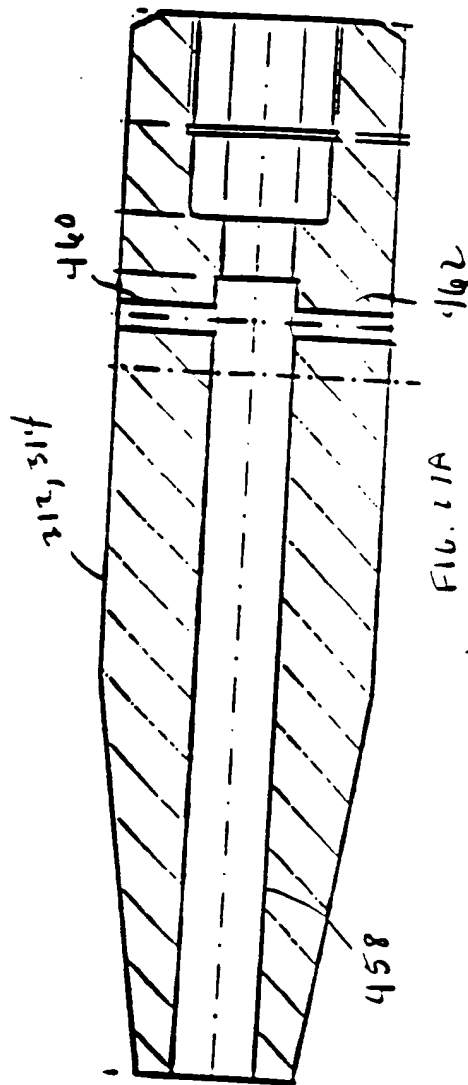
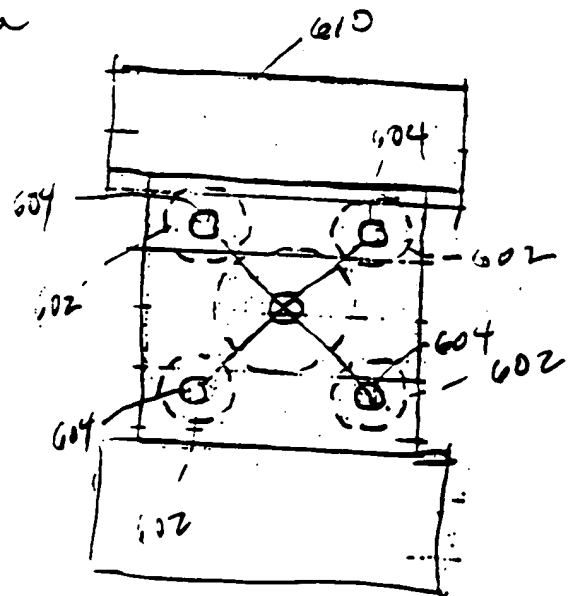
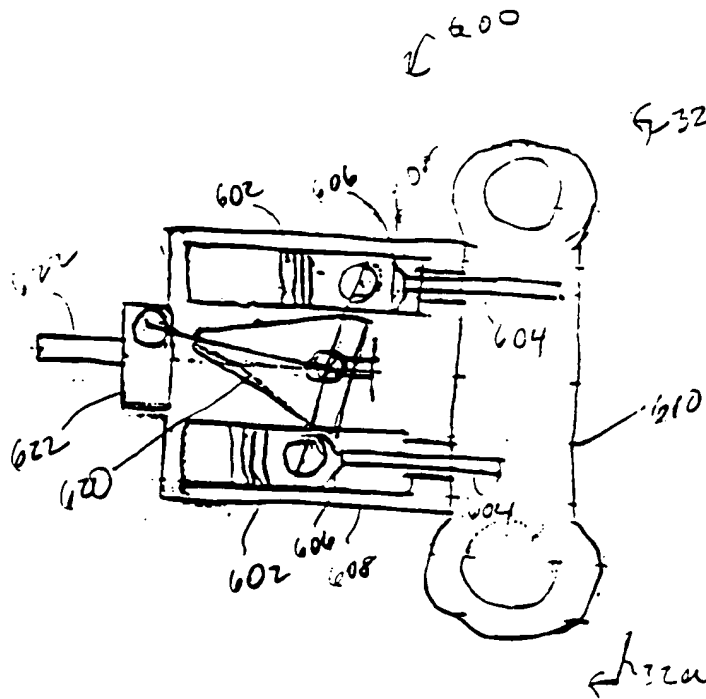
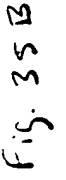
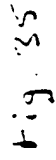


FIG. 31





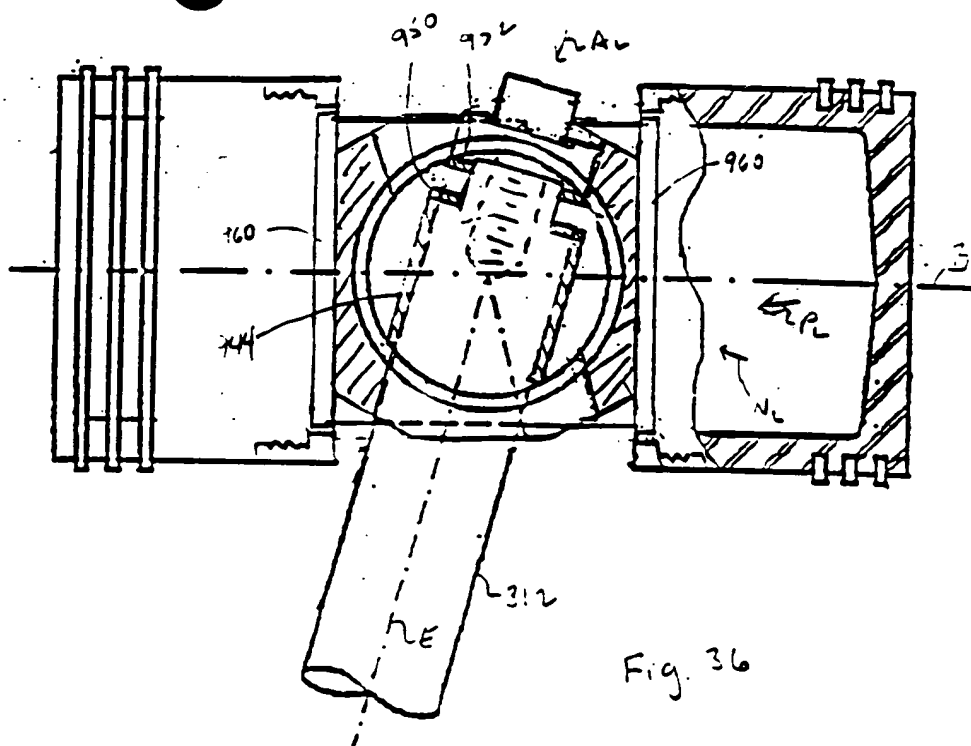


Fig. 36

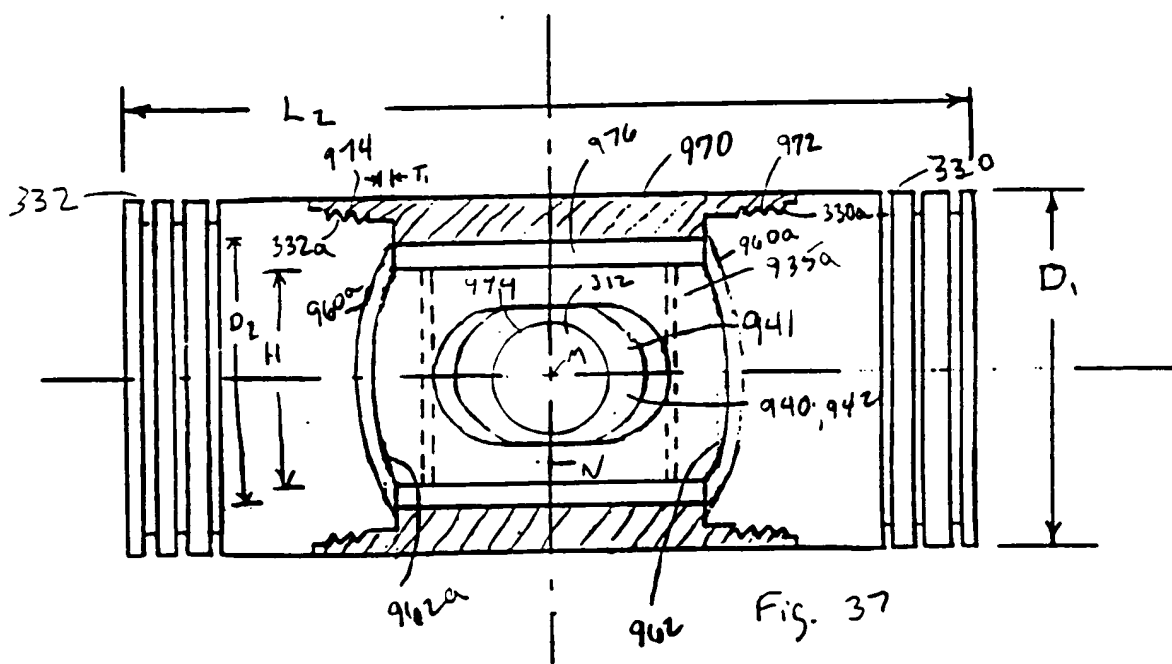


Fig. 37

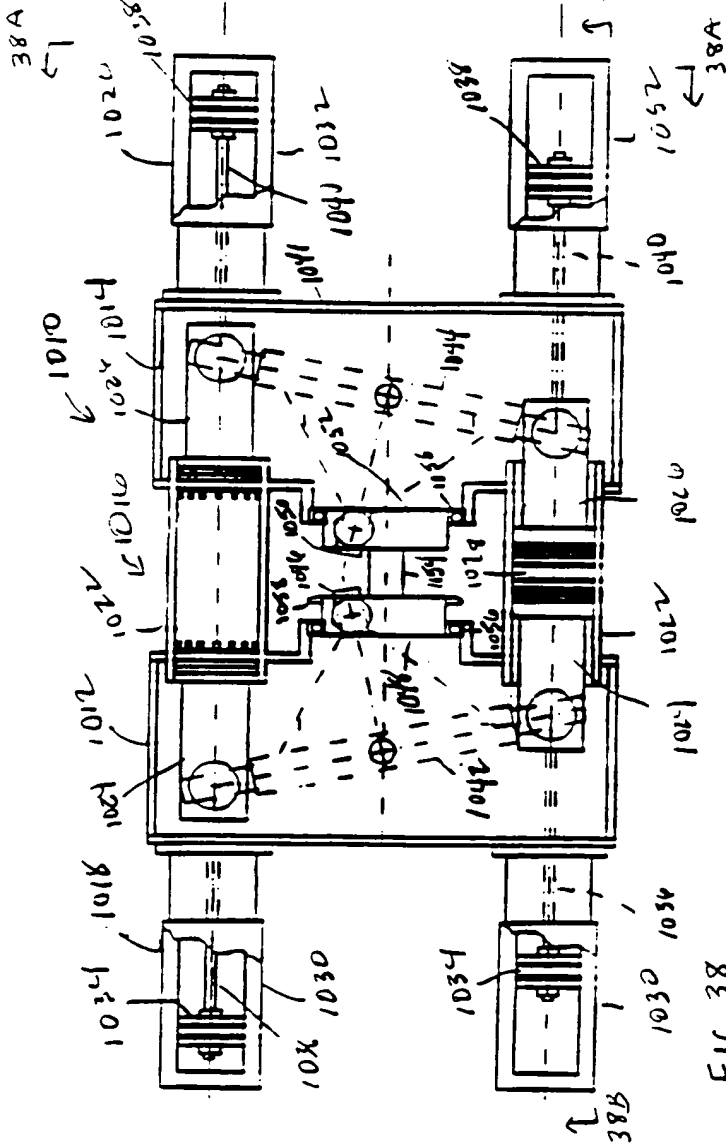


FIG. 38

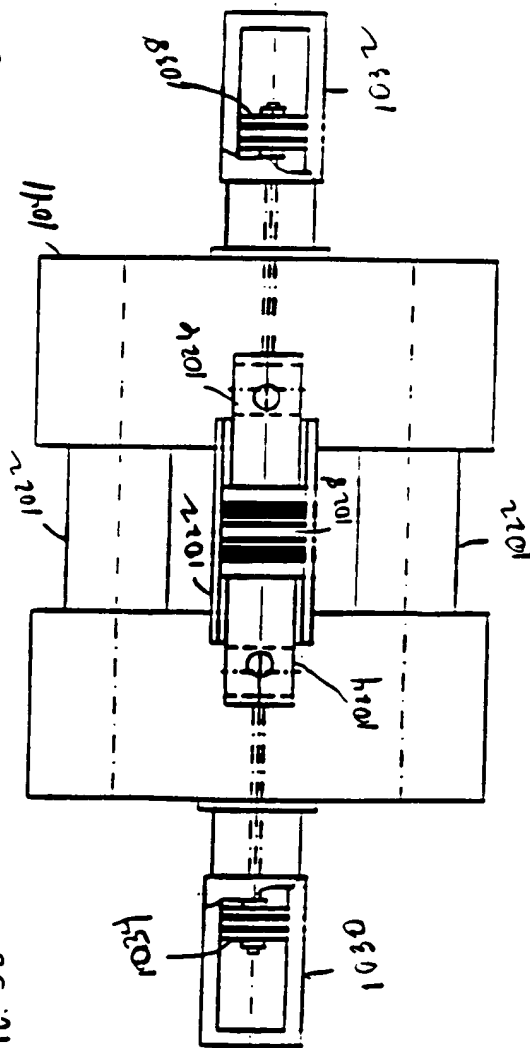


FIG. 38B

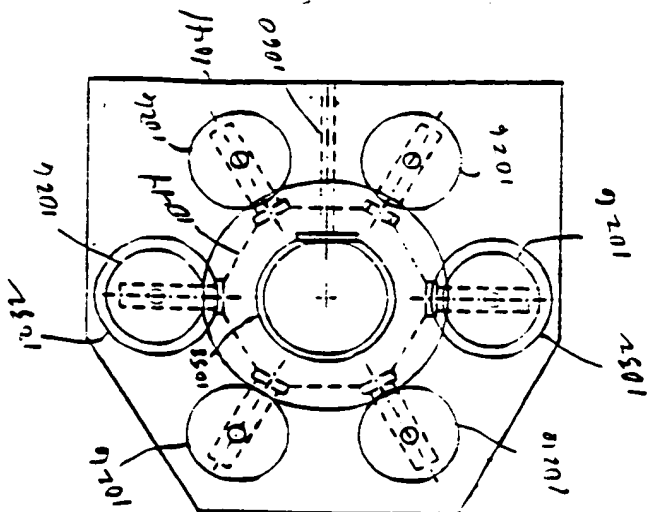


FIG. 38A